Macrolux®

CORRUGATED POLYCARBONATE SKYLIGHT & SIDELIGHT PANELS
FOR THE METAL BUILDING INDUSTRY

Macrolux®

LIGHTWEIGHT, DURABLE AND VIRTUALLY UNBREAKABLE

Available in clear, opal, bronze and high diffused (HD) soft white. In stock for fast shipping, custom cut to size, no minimums.

Features

Lightweight

At just 1/8 the weight of glass, Macrolux® Rooflite® sheet does not require the extensive structural support that a heavier glass wall or skylight needs. Lightweight sheet is easy to handle and install.

Virtually unbreakable

Able to withstand extreme abuse, the strong Macrolux® Rooflite® corrugated sheet has an impact resistance 20 times stronger than fiberglass and over 120 times stronger than glass.

Easy to install

Macrolux® Rooflite® corrugated sheet has been specifically designed for simple and rapid installation. It easily adapts to any wall or roof with a bending radius of over 13'.

Low flammability

Macrolux® Rooflite® corrugated sheet meets the requirements of approved light transmitting plastic under the Uniform Building Code as recognized by ICBO, BOCA and SBCC.

Light transmission

Clear Macrolux® Rooflite® corrugated sheet transmits visible light - up to 90% (as measured by ASTM standards).
Macrolux corrugated sheet is manufactured using state of the art coextrusion technology combining color, U.V. resistance and durability.

Temperature Performance

Macrolux® Rooflite® is designed for normal use in temperatures from -40°F to 248°F making it appropriate for use in all climates.

Warranty

Macrolux® Rooflite® is backed by a ten year, non-prorated warranty against yellowing and breakage by hail.

Optical transparency (light transmission) deterioration shall not exceed 11% in 10 years per ASTM 1925-77.

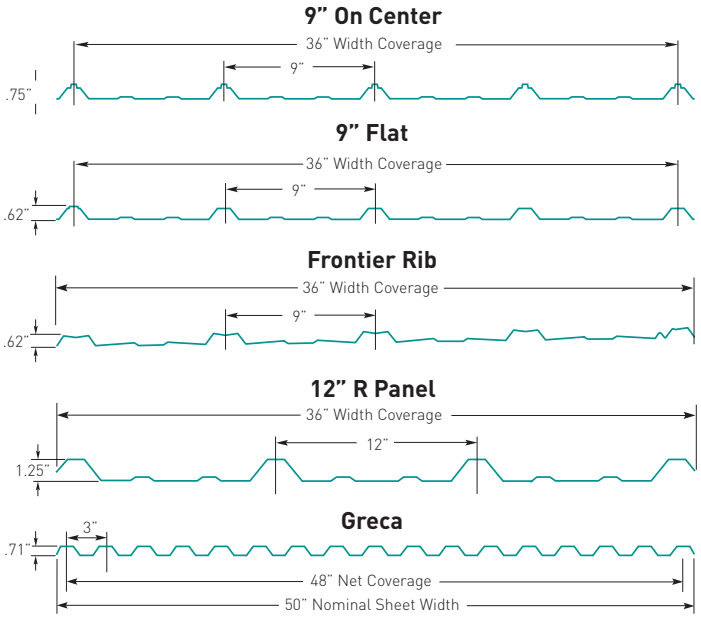
Yellowness index shall change no greater than 15 deltas for the white or opal and 10 deltas for any other color from originally measured quality in 10 years per ASTM D 1003-77.

Macrolux® Rooflite® shall not break as a result of hail in accord with EUPA 36876.

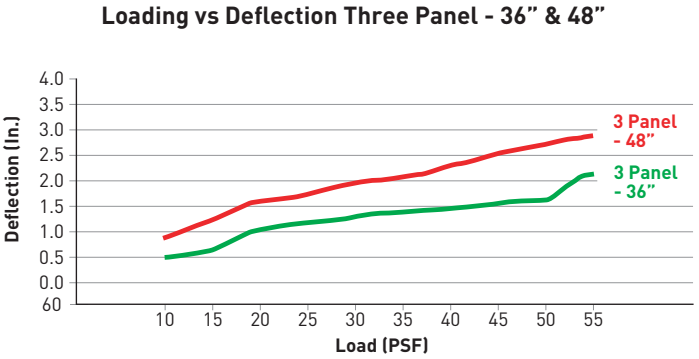
Macrolux® Rooflite® shall not break as a result of hail up to 23 mm in diameter size with an impact of 21 meters per second or less.

10 YEARS
WARRANTY

Sheet profiles



Loading guidelines



Note
The charts shown in this page are provided as a guideline only. Information was from tests using Macrolux® polycarbonate panels as roofing and siding. For specific recommendations, consult Macrolux® CANADA.

Physical and technical characteristics

CHARACTERISTICS	9" FLAT CORRUGATED	9" ON CENTER	FRONTIER RIB	12" R PANEL	GRECA
SHEET THICKNESS	.8mm / .031", .9mm / .035", 1mm / .039"				.8mm /.031", .9mm / .035", 1mm /.039", 1.2mm / .047"
SHEET LENGTH	Up to 40'				
NOMINAL WIDTH	38"	38"	38"	38"	26" and 50"
NET COVERAGE	36"	36"	36"	36"	24" and 48"
PITCH AND DEPTH	Pitch 9" / Depth .62"	Pitch 9" / Depth .75"	Pitch 9" / Depth .62"	Pitch 12" / Depth 1.25"	Pitch 3" / Depth .71"
COEFFICIENT OF THERMAL EXPANSION (in/ft/°F)	3.6 x 10^{-5} / °F	3.6 x 10^{-5} / °F	3.6 x 10^{-5} / °F	3.6 x 10^{-5} / °F	3.6 x 10^{-5} /°F
U FACTOR (Btu/ft2 h°F)	1.14				
U.V. TRANSMISSION	0	0	0	0	0
MIN. BENDING RADIUS (FT. / 1")	14 ¾´	14 ¾´	14 ¾´	24 5/8´	13 1/8´
LIGHT TRANSMISSION ASTM-D1003 (%)					
Clear	90	90	90	90	90
Bronze	48	48	48	48	48
Opal	60	60	60	60	60
HD Soft White	90	90	90	90	90

Macrolux® CANADA

This information and our product application recommendations are illustrative and must be verified for each project. The pictures presented are merely illustrative.

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